

Attorney Docket No. 83587

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: ROBERT V. KIERONSKI

Date: 29 January 2002

PRELIMINARY AMENDMENT ACCOMPANYING

FILING OF APPLICATION UNDER 37 CFR 1.53(b)

To the Assistant Commissioner for Patents

Washington, DC 20231

Sir:

This Preliminary Amendment is directed to the accompanying rule 1.53(b) application which is a division of application Serial No. 09/413,052, filed 4 October 1999. Please amend as follows:

IN THE SPECIFICATION

Title Page, starting at line 1, replace the specification as follows:



23523

PATENT TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on 29 January 2002  
(DATE OF DEPOSIT)  
Prithvi C. Lal  
APPLICANT'S ATTORNEY  
29 January 2002  
DATE OF SIGNATURE

Attorney Docket No. 83587

A HIGH STRENGTH PART

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT ROBERT V. KIERONSKI, citizen of the United States of America, employee of the United States Government and resident of Newport, County of Newport, State of Rhode Island has invented certain new and useful improvements entitled as set forth above of which the following is a specification:

PRITHVI C. LALL, ESQ.  
Reg. No. 26192  
Naval Undersea Warfare Center  
Division, Newport  
Newport, Rhode Island 02841-1708  
TEL: 401-832-4736  
FAX: 401-832-1231

Page 1, starting at 1, replace specification as follows:

Attorney Docket No. 83587

## A HIGH STRENGTH PART

### STATEMENT OF GOVERNMENT INTEREST

The invention described herein may be manufactured and used by or for the Government of the United States of America for Governmental purposes without the payment of any royalties thereon or therefor.

### CROSS REFERENCE TO OTHER PATENT APPLICATIONS

This application is a division of patent application Serial number 09/413,052, filed 4 October 1999.

### BACKGROUND OF THE INVENTION

#### (1) Field of the Invention

The present invention relates generally to manufactured parts, and more particularly to a high-strength machine part having exterior surfaces that are precision manufactured using a stereolithographic method/apparatus while having an interior core made from a high-strength material.

Page 16, starting at line 1, replace specification as follows:

Attorney Docket No. 83587

#### A HIGH STRENGTH PART

#### ABSTRACT OF THE DISCLOSURE

High-strength parts are produced by first performing a stereolithography part generation process to create a polymer part having opposing interior surfaces. An uncured strength material is interposed between the opposing interior surfaces of the polymer part. The polymer part with the uncured strength material is then heated. The strength material is chosen to bond to the opposing interior surfaces during the heating step.

#### IN THE CLAIMS

Cancel claims 1-6, without prejudice.

MARKED UP VERSION

IN THE SPECIFICATION

Title Page, starting at line 1, the specification has been amended as follows:

Attorney Docket No. [76315] 83587

[HIGH STRENGTH PARTS FORMED USING STEREOLITHOGRAPHY]

A HIGH STRENGTH PART

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REMARKS

Claims 7-17 are in the case. No claims have been allowed.

Consideration and allowance of this application are earnestly solicited.

The Examiner is invited to telephone Prithvi C. Lall, Attorney for Applicant, at 401-832-4736 if, in the opinion of the Examiner, such a telephone call would serve to expedite the prosecution of this patent application.

Respectfully submitted,

ROBERT V. KIERONSKI

29 January 2002

By Prithvi C. Lall  
PRITHVI C. LALL  
Attorney of Record  
Reg. No. 26192